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File: DWPI

Jan 20, 2005

DERWENT-ACC-NO: 2003-279058  
DERWENT-WEEK: 200508  
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TITLE: Prosthesis shaft has interior with base and insertion opening for stump, chamber with equalizing duct at one end, and pressure chamber at other end

INVENTOR: CARSTENS, F

PATENT-ASSIGNEE:

ASSIGNEE	CODE
CARSTENS ORTHOPAEDIE & MEDIZINTECHNIK GM	CARSN
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PRIORITY-DATA: 2001DE-1042492 (August 30, 2001)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <a href="#">JP 2005501687 W</a>	January 20, 2005		047	A61F002/42
<input type="checkbox"/> <a href="#">WO 2003024370 A1</a>	March 27, 2003	G	017	A61F002/60
<input type="checkbox"/> <a href="#">DE 10142492 A1</a>	April 3, 2003		000	A61F002/62
<input type="checkbox"/> <a href="#">EP 1420726 A1</a>	May 26, 2004	G	000	A61F002/60
<input type="checkbox"/> <a href="#">AU 2002331560 A1</a>	April 1, 2003		000	A61F002/60
<input type="checkbox"/> <a href="#">US 20040236434 A1</a>	November 25, 2004		000	A61F002/80

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2005501687W	August 23, 2002	2002WO-DE03085	
JP2005501687W	August 23, 2002	2003JP-0528270	
JP2005501687W		WO2003024370	Based on
WO2003024370A1	August 23, 2002	2002WO-DE03085	

DE 10142492A1	August 30, 2001	2001DE-1042492	
EP 1420726A1	August 23, 2002	2002EP-0767119	
EP 1420726A1	August 23, 2002	2002WO-DE03085	
EP 1420726A1		WO2003024370	Based on
AU2002331560A1	August 23, 2002	2002AU-0331560	
AU2002331560A1		WO2003024370	Based on
US20040236434A1	August 23, 2002	2002WO-DE03085	
US20040236434A1	February 27, 2004	2004US-0487928	

INT-CL (IPC): A61 F 2/42; A61 F 2/60; A61 F 2/62; A61 F 2/78; A61 F 2/80

ABSTRACTED-PUB-NO: WO2003024370A

BASIC-ABSTRACT:

NOVELTY - The prosthesis shaft (2) has a dimensionally stable wall (7) which has an outward pointing outer side (9) and an inward-pointing inside (8). A dimensionally stable shaft-base (11), together with the wall, forms a beaker-shaped interior (12) which is accessible from outside via an insertion opening (13) for inserting a leg-stump. A chamber (15) is positioned away from the shaft-base on the inside of the shaft-wall and extends in the peripheral direction of the shaft. A wall (18) made of clinging, air-impervious material seals off the interior from the stump and lines the interior of the shaft. At least one pressure-equalizing duct (23) has one end in the chamber, and the other end is connected to a pressure chamber.

USE - Prosthesis shaft containing an amputated stump

ADVANTAGE - The prosthesis shaft is well sealed by a lining from the stump without high pre-tensioning forces being required

DESCRIPTION OF DRAWING(S) - The drawing shows a longitudinal section through a thigh bone prosthesis with prosthesis shaft.

Prosthesis shaft 2

Shaft wall 7

Interior 8

Exterior 9

Shaft base 11

Beaker-shaped interior 12

Insertion opening 13

Chamber 15

Chamber wall 18

Duct. 23

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: PROSTHESIS SHAFT INTERIOR BASE INSERT OPEN STUMP CHAMBER DUCT ONE END  
PRESSURE CHAMBER END

DERWENT-CLASS: P32

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2003-221580

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